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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/788,540	02/21/2001	Shigeru Fujita	1484.1004	.5606
21171	7590	09/18/2006	EXAMINER	
STAAS & HALSEY LLP SUITE 700 1201 NEW YORK AVENUE, N.W. WASHINGTON, DC 20005			LEE, PHILIP C	
			ART UNIT	PAPER NUMBER
			2152	

DATE MAILED: 09/18/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/788,540	Applicant(s) FUJITA, SHIGERU	
	Examiner Philip C. Lee	Art Unit 2152	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 July 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1 and 3-9 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1 and 3-9 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- ☒ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

1. This action is responsive to the amendment and remarks filed on July 20, 2006.
2. Claims 1 and 3-9 are presented for examination and claim 2 is canceled.
3. The text of those sections of Title 35, U.S. code not included in this office action can be found in a prior office action.

Claim Rejections - 35 USC 102

4. Claims 1, 3, 4, 5, 7, and 9 are rejected under 35 U.S.C. 102(e) as being anticipated by Grun, U.S. Patent Application Publication 2004/0107304 (hereinafter Grun).
5. As per claims 1, 3, 4 and 9, Grun teaches a system comprising: a server ((0055)), comprising:
 - software to generate operating instructions for an I/O device connected to a client ((0042), (0055), (0057));
 - a device driver (20, fig. 2) to function at the server as a client-side device driver for input-output control of a client-side I/O port controlling the I/O device connected to the client as the client-side I/O device, based on the operating instructions from the software((0043), (0044)); and
 - a virtual I/O port to function at the server as a client-side I/O port interface to the device driver by transmitting an input-output control received from the device driver and informing the device driver of a received client-side I/O device event (fig. 2; (0042), (0043), (0050)); and

a client communicably connectable with the server and communicably connectable with the client-side I/O device (fig. 2, 3 and 5; (0057)), the client comprising:

a client-side device handler to receive the input-output control from the virtual I/O port in the server and to transmit the client-side I/O device event to the server virtual I/O port ((0050),(0042), (0043)); and

a client-side I/O port to control the client-side I/O device according to an input-output control from the client-side device handler ((0042),(0043)).

6. As per claim 5, Grun teaches the invention as claimed in claim 4 above. Grun further teach at least one client-side I/O port, which is coupled with the client-side I/O device, and which is controlled by the device driver in the server ((0042)).

7. As per claim 7, Grun teaches the invention as claimed in claim 1 above. Grun further teach wherein the client and server communicate via a LAN ((0044)).

Claim Rejections - 35 USC 103

8. Claims 6 and 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Grun in view of Official Notice.

9. As per claim 6, Grun does not specifically teach a bar code reader as the I/O device. However, it would have been obvious to one of ordinary skill in the art at the time the invention

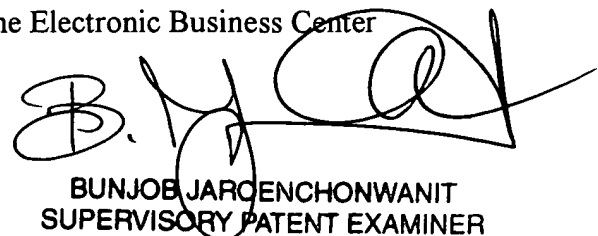
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was made that an I/O device may be any type of device that facilitates input from the user and output to the user. The concept of controlling such device from a target client may be applied to any type of I/O device. Official Notice is taken for both the concept and advantages of utilizing a bar code reader as an I/O device is well known in the art. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teachings of Grun to include a bar code reader in order to enhance and make it easier for user to input/output certain types of products to the system.

10. As per claim 8, Grun does not specifically teach World Wide Web (WWW). However, it would have been obvious to one of ordinary skill in the art at the time the invention was made that a server (initiator) and a client (target client) may be communicated via any type of network. The concept of communicating between the client and server as disclosed by Grun is not limited to a LAN and may be applied to any other types of network. Official Notice is taken for the concept of WWW is well known in the art. It would have been obvious to one of ordinary skill in the art at the time the invention was made to include WWW in Grun's system in order to enhance and make it accessible for internet user to communicate with I/O devices through the internet.

11. Applicant's arguments with respect to claims 1, 3-9 have been considered but are moot in view of new ground(s) of rejection.

12. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a). A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Philip C Lee whose telephone number is (571)272-3967. The examiner can normally be reached on 8 AM TO 5:30 PM Monday to Thursday and every other Friday. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bunjob Jaroenchonwanit can be reached on (571) 272-3913. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


BUNJOB JAROENCHONWANIT
SUPERVISORY PATENT EXAMINER

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